

AMENDMENTS TO THE CLAIMS

This listing of claims supersedes all prior versions and listings of claims in this application:

LISTING OF CLAIMS:

1-22. (Cancelled).

Please add the following newly presented claims 23-36:

23. (New) A transmission power control method, comprising:

step for receiving a signal transmitted from a communication counterpart station;

step for measuring a reception quality value of each received time slot;

control instruction determining step for periodically determining a control instruction depending upon said reception quality values of said plurality of slots; and

transmission step for transmitting said control instruction to said counterpart station,

whereby said control instruction being used for transmission power control of said counterpart station,

wherein error correction coding process is provided for information bit series of the signal transmitted from said counterpart station, the time slot group is consisted of a plurality of time slots to provide interleaving per said time slot group, and

said control instruction determining step determines said control instruction based on the reception quality values of the time slots contained in the time slot group on reception.

24. (New) A transmission power control method as set forth in claim 23, wherein said control instruction determining step is to form said time slot group by a plurality of time slots and to determine said control instruction based on the reception quality values of the time slots contained in said time slot group on reception.

25. (New) A transmission power control method as set forth in claim 24, wherein said control instruction determining step comprises:

step for comparing one of a median value of the reception quality values of slots contained in the time slot group on reception, X% value wherein X is a value in a range from 0 to 100 or an average value with a first control reference value, and

step for determining said control instruction based on the result of comparison.

26. (New) A transmission power control method as set forth in claim 25, which further comprises:

step of checking presence or absence of error of received signal, and said first control reference value is varied depending upon detected error.

27. (New) A transmission power control method as set forth in claim 23, wherein said control instruction determining step includes step for increasing the transmission power of the counterpart station when the reception quality value of the time slot measured per reception of said time slot is smaller than a second control reference value.

28. (New) A transmission power control method as set forth in claim 23, wherein said control instruction determining step includes step for decreasing the transmission power of the counterpart station when the reception quality value of the time slot measured per reception of said time slot is greater than a third control reference value.

29. (New) A transmitting and receiving apparatus, comprising:
receiving means for receiving a signal transmitted from a communication counterpart station;
measuring means for measuring a reception quality value of each received time slot;
control instruction determining means for periodically determining a control instruction depending upon said reception quality values of said plurality of slots; and
transmitting means for transmitting said control instruction to said counterpart station for use in transmission power control of said counterpart station,

wherein error correction coding means are provided for information bit series of the signal transmitted from said counterpart station,

wherein said control instruction determining means forms a time slot group per an interleaved block as interleaved unit in the counterpart station and determines said control instruction based on the reception quality values of the time slots contained in the time slot group on reception.

30. (New) A transmitting and receiving apparatus as set forth in claim 29, wherein said control instruction determining means forms said time slot group by a plurality of time slots and to determine said control instruction based on the reception quality values of the time slots contained in said time slot group on reception.

31. (New) A transmitting and receiving apparatus as set forth in claim 29, wherein said control instruction determining means compares one of a median value of the reception quality values of slots contained in the time slot group on reception, X% value wherein X is a value in a range from 0 to 100 or an average value with a first control reference value and determines said control instruction based on the result of comparison.

32. (New) A transmitting and receiving apparatus as set forth in claim 31, which further comprises:

means for checking presence or absence of error of received signal, and means for varying said first control reference value depending upon detected error.

33. (New) A transmitting and receiving apparatus as set forth in claim 29, wherein said control instruction determining means increases the transmission power of the counterpart station when the reception quality value of the time slot measured per reception of said time slot is smaller than a second control reference value.

34. (New) A transmitting and receiving apparatus as set forth in claim 29, wherein said control instruction determining means decreases the transmission power of the counterpart station when the reception quality value of the time slot measured per reception of said time slot is greater than a third control reference value.

35. (New) A base station including a transmitting and receiving apparatus defined in claim 29.

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36. (New) A mobile station including a transmitting and receiving apparatus defined in claim 29.